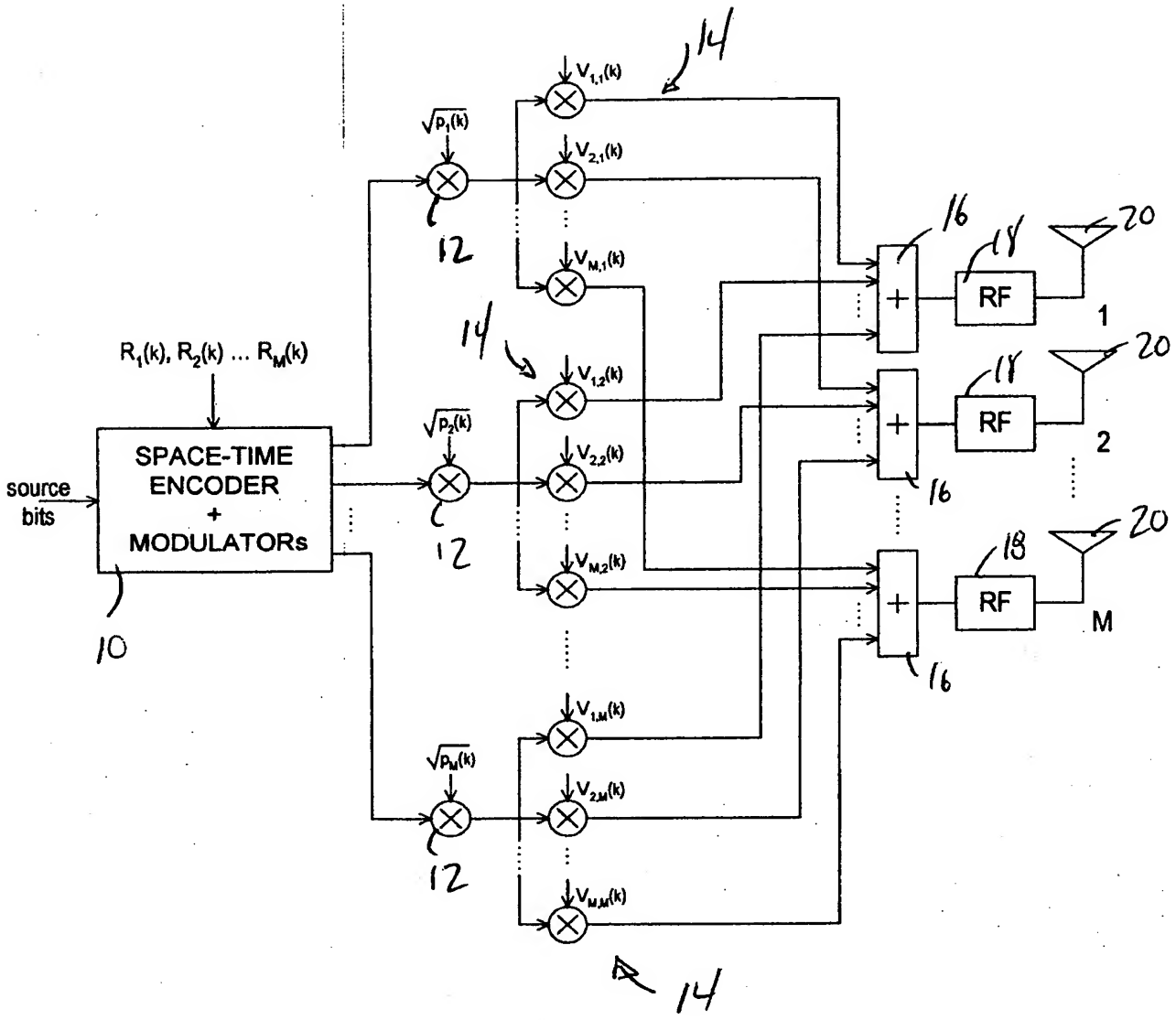
source bits
SPACE-TIME ENCODER + MODULATORs
10
$R_1(k), R_2(k) \ldots R_M(k)$
$\sqrt{p_1(k)}$
$\sqrt{p_2(k)}$
$\sqrt{p_M(k)}$
12
14
$V_{1,1}(k)$
$V_{2,1}(k)$
$V_{M,1}(k)$
$V_{1,2}(k)$
$V_{2,2}(k)$
$V_{M,2}(k)$
$V_{1,M}(k)$
$V_{2,M}(k)$
$V_{M,M}(k)$
16
18
RF
20
1
2
M

Fig. 1